

CERTIFICATE OF MAILING BY FIRST CLASS MAIL (37 CFR 1.8)		Docket No.	
Applicant(s): BRUCKER et al.		CV/03-014.PCT.US	
Serial No. 10/575,318	Filing Date 4/11/2006	Examiner	Group Art Unit
Invention: CATHETER FOR DIAGNOSTIC IMAGING AND THERAPEUTIC PROCEDURES			
<p>I hereby certify that this <u>Transmittal of IDS; IDS Statement; 8 pgs.PTO1449 and required cited references</u> (Identify type of correspondence)</p> <p>is being deposited with the United States Postal Service as first class mail in an envelope addressed to: The Assistant Commissioner for Patents, Washington, D.C. 20231 on <u>October 16, 2006</u> (Date)</p> <p><u>James R. Stevenson</u> (Typed or Printed Name of Person Mailing Correspondence)</p> <p><u>[Signature]</u> (Signature of Person Mailing Correspondence)</p>			
Note: Each paper must have its own certificate of mailing.			
ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /K.B./			

<b>TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT</b> (Under 37 CFR 1.97(b) of 1.97(4))				Docket No. CV/03-014.PCT.US	
In Re Application Of: <b>BRUCKER et al.</b>					
Application No.	Filing Date		Customer No.	Group Art Unit	Confirmation No.
10/575,318	4/11/2006		21140		
Title: <b>CATHETER FOR DIAGNOSTIC IMAGING AND THERAPEUTIC PROCEDURES</b>					
<p>Address to:</p> <p><b>Commissioner for Patents</b>  <b>P.O. Box 1450</b>  <b>Alexandria, VA 22313-1450</b></p> <p><b>37 CFR 1.97(b)</b></p> <p>1. <input checked="" type="checkbox"/> The Information Disclosure Statement submitted herewith is being filed within three months of the filing of a national application other than a continued prosecution application under 37 CFR 1.53(d); within three months of the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; before the mailing of a first Office Action on the merits, or before the mailing of a first Office Action after the filing of a request for continued examination under 37 CFR 1.114.</p> <p style="text-align: center;"><b>37 CFR 1.97(c)</b></p> <p>2. <input type="checkbox"/> The Information Disclosure Statement submitted herewith is being filed after the period specified in 37 CFR 1.97(b), provided that the Information Disclosure Statement is filed before the mailing date of a Final Action under 37 CFR 1.113, a Notice of Allowance under 37 CFR 1.311, or an Action that otherwise closes prosecution in the application, and is accompanied by one of:</p> <p style="margin-left: 40px;"><input type="checkbox"/> the statement specified in 37 CFR 1.97(e);</p> <p style="text-align: center;"><b>OR</b></p> <p style="margin-left: 40px;"><input type="checkbox"/> the fee set forth in 37 CFR 1.17(p).</p>					

P10A/REV05

<b>TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT</b> (Under 37 CFR 1.97(b) or 1.97(c))				Docket No. CV/03-014.PCT.US	
In Re Application of: <b>BRUCKER et al.</b>					
Application No.	Filing Date	Customer No.	Group Art Unit	Confirmation No.	
10/575,318	4/11/2006	21140			
Title: <b>CATHETER FOR DIAGNOSTIC IMAGING AND THERAPEUTIC PROCEDURES</b>					
<b>Payment of Fee</b> (Only complete if Applicant elects to pay the fee set forth in 37 CFR 1.17(p))					
<input type="checkbox"/> A check in the amount of _____ is attached. <input type="checkbox"/> The Director is hereby authorized to charge and credit Deposit Account No. _____ as described below.					
<input type="checkbox"/> Charge the amount of _____ <input type="checkbox"/> Credit any overpayment. <input type="checkbox"/> Charge any additional fee required.					
<input type="checkbox"/> Payment by credit card. Form PTO-2038 is attached. <b>WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.</b>					
<b>Certificate of Transmission by Facsimile*</b> I certify that this document and authorization to charge deposit account is being facsimile transmitted to the United States Patent and Trademark Office (Fa _____ (Date) _____ Signature _____ Typed or Printed Name of Person Signing Certificate			<b>Certificate of Mailing by First Class Mail</b> I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to "Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450" [37 CFR 1.8(a)] on 10/16/2006 _____ (Date) _____ Signature of Person Mailing Correspondence James R. Stevenson _____ Typed or Printed Name of Person Mailing Certificate		
*This certificate may only be used if paying by deposit account. _____ Signature James R. Stevenson Medrad, Inc. One Medrad Inc. Indianola, PA 15051					
Dated: October 16, 2006					
CC:					

P10A/REV05

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

BRUCKER et al.

Serial No. 10/575,318

Filed: 11 April 2006

Title: CATHETER FOR DIAGNOSTIC  
IMAGING AND THERAPEUTIC  
PROCEDURES

Art Unit: To Be Assigned

Examiner: To Be Assigned

Docket No.: CV/03-014.PCT.US

Date: 16 October 2006

COMMISSIONER FOR PATENTS

P.O. Box 1450

ALEXANDRIA, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT  
ANDREVIEW OF ART CITED IN INTERNATIONAL SEARCH REPORT

Dear Sir/Madam:

Applicants submit this *Information Disclosure Statement (IDS)* to comply with the duty of disclosure as codified in 37 C.F.R. §1.56. Submitted before the mailing of a first Office Action on the merits, this *IDS* is thus filed with the United States Patent and Trademark Office (USPTO) in accordance with 37 C.F.R. §1.97(b)(3). This *IDS* contains, and/or is accompanied by, the information required by 37 C.F.R. §1.98.

Applicants request the Examiner to consider each of the references listed on FORM(s) PTO-1449 (attached hereto), and to enter the same into the record of this application for patent. Pursuant to 37 C.F.R. §1.98(a) and (d), copies of the U.S. patents and publications listed on FORM(s) PTO-1449 are not provided. Copies of

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the other references listed on FORM(S) PTO-1449, however, accompany this IDS.

The Examiner's attention is particularly directed to the International Search Report (ISR) for the counterpart PCT International Application PCT/US04/38093, published as WO 2005/049110A2,A9. The ISR is listed as item EO on page 8 of the 1449 forms. The ISR indicates that certain claims of the pending application are considered to lack novelty and/or inventive step relative to U.S Patent 4,917,667 and U.S. Patent Application Publication 2001/00001117 A1. Applicants have reviewed their claims and concluded that they do indeed recite subject matter that is novel and possesses inventive step over the '667 patent and the cited publication. Should the first office action require it, Applicants will be happy to present arguments to overcome that art.

#### CONCLUSION

This IDS discloses information that may be considered relevant to the aforementioned application for patent. Because such information may be deemed relevant to the patentability of this pending application, the documents listed or alluded to above are now made of record to assist the USPTO in its examination. The Examiner is respectfully requested under 37 C.F.R. §1.97(b) to consider these documents fully and to independently ascertain their relevance to the pending application.


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Information Disclosure Statement  
U.S. Application Serial No. 10/575,318  
Page 3 of 3

Applicants respectfully ask the Examiner to initial the attached PTO-1449 form(s) in the places indicated and to return a copy of such initialed form(s) to the undersigned as evidence that the cited documents were considered during examination of the pending application.

If the Examiner has any questions regarding this IDS, he/she is invited to call the undersigned at the phone number listed below.

Respectfully submitted,

  
\_\_\_\_\_  
James R. Stevenson  
Attorney for Applicant  
Registration No. 38,755

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Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Substitute for form 1449/PTO

**Complete if Known****INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1

of 18

Application Number	10/575,318
Filing Date	April 11, 2006
First Named Inventor	BRUCKER
Art Unit	
Examiner Name	
Attorney Docket Number	CV/03-014.PCT.US

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
	AA	US- 2,139,653	12/13/1938	Belfrage	
	AB	US- 3,386,438	6/4/1968	Stevens	
	AC	US- 3,674,033	7/4/1972	Powers	
	AD	US- 3,828,767	8/13/1974	Spiroff	
	AE	US- 4,002,174	1/11/1977	Reed et al.	
	AF	US- 4,173,981	11/13/1979	Mortensen	
	AG	US- 4,292,976	10/6/1981	Banka	
	AH	US- 4,437,856	3/20/1984	Valli	
	AI	US- 4,488,877	12/18/1984	Klein et al.	
	AJ	US- 4,557,724	12/10/1985	Gregonis et al.	
	AK	US- 4,639,246	1/27/1987	Dudley	
	AL	US- 4,645,488	2/24/1987	Matukas	
	AM	US- 4,661,094	4/28/1987	Simpson	
	AN	US- 4,680,029	7/14/1987	Ranford et al.	
	AO	US- 4,687,471	8/18/1987	Twardowski et al.	
	AP	US- 4,692,141	9/8/1987	Mahurkar	
	AQ	US- 4,701,166	10/20/1987	Groshong et al.	
	AR	US- 4,769,016	9/6/1988	Labianca	
		US-			

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)			T <sup>6</sup>

Examiner Signature	/Kam Bosworth/	Date Considered	10/06/2008
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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PTO/SB/09A (08-03)

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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 2

of 8

**Complete if Known**

Application Number	10/575 318
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Filing Date	4/11/2006
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First Named Inventor	Brucker
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Art Unit

Examiner Name \_\_\_\_\_

Examiner Name	
Attorney Docket Number	CV/03-014 PCT.US

Examiner Initials*	Cite No.	U. S. PATENT DOCUMENTS			
		Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
	AS	US 4,770,652	9/13/1988	Mahurkar	
	AT	US 4,772,269	9/20/1988	Twardowski et al.	
	AU	US 4,784,638	11/15/1988	Ghajar et al.	
	AV	US 4,787,882	11/29/1988	Claren	
	AW	US 4,801,297	1/31/1989	Mueller	
	AX	US 4,808,155	2/28/1989	Mahurkar	
	AY	US 4,863,441	9/5/1989	Lindsay et al.	
	AZ	US 4,935,004	6/19/1990	Cruz	
	BA	US 4,961,731	10/9/1990	Bodicky et al.	
	BB	US 4,988,058	1/29/1991	Dirscherl et al.	
	BC	US 5,048,033	9/10/1991	Donahue et al.	
	BD	US 5,084,033	1/28/1992	O'Neill et al.	
	BE	US 5,057,073	10/15/1991	Martin	
	BF	US 5,085,635	2/4/1992	Cragg	
	BG	US 5,098,413	3/24/1992	Trudell et al.	
	BH	US 5,147,334	9/15/1992	Moss	
	BI	US 5,180,387	1/19/1993	Ghajar et al.	
	BJ	US 5,197,951	3/30/1993	Mahurkar	
	BK	US 5,207,655	5/4/1993	Sheridan	

[illegible]

Examiner Signature	/Kam Bosworth/	Date Considered	10/06/2008
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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet	3	of	8
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**Complete if Known**

Application Number	10/575,318
Filing Date	4/11/2006
First Named Inventor	Brucker
Art Unit	
Examiner Name	
Attorney Docket Number	CV/03-014 PCT US

## U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date	NAME OF PATENTEE OR APPLICANT OF CITED DOCUMENT	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number: Kind Code <sup>2</sup> (if known)	MM-DD-YYYY		
	BL	US 5,221,255	6/22/1993	Mahurkar et al.	
	BM	US 5,224,938	7/6/1993	Fenton, Jr.	
	BN	US 5,250,034	10/5/1993	Appling et al.	
	BO	US 5,267,979	12/7/1993	Appling et al.	
	BP	US 5,300,022	4/5/1994	Klapper et al.	
	BQ	US 5,330,433	7/19/1994	Fonger et al.	
	BR	US 5,348,536	9/20/1994	Young et al.	
	BS	US 5,364,373	11/15/1994	Waskonig et al.	
	BT	US 5,370,685	12/6/1994	Stevens	
	BU	US 5,380,307	1/10/1995	Chee et al.	
	BV	US 5,374,245	12/20/1994	Mahurkar	
	BW	US 5,403,291	4/4/1995	Abrahamson	
	BX	US 5,451,206	9/19/1995	Young	
	BY	US 5,484,423	1/16/1996	Waskonig et al.	
	BZ	US 5,485,831	1/23/1996	Holdsworth et al.	
	CA	US 5,489,278	2/6/1996	Abrahamson	
	CB	US 5,509,428	4/23/1996	Dunlop	
	CC	US 5,531,679	8/8/2006	Schulman et al.	
	CD	US 5,531,700	7/2/1996	Moore et al.	

**FOREIGN PATENT DOCUMENTS**

[illegible]

Examiner Signature	/Kami Bosworth/
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Date Considered	10/06/2008
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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet	4	of	8
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Examiner Name	
Attorney Docket Number	CV/03-014 PCT/US

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		Number-Kind Code <sup>2</sup> (if any)			
	CE	US 5,536,261	7/16/1996	Stevens	
	CF	US 5,556,390	9/17/1996	Hicks	
	CG	US 5,558,644	9/24/1996	Boyd et al.	
	CH	US 5,578,006	11/26/1996	Sch'on	
	CI	US 5,616,137	4/1/1997	Lindsay	
	CJ	US 5,643,226	7/1/1997	Cosgrove et al.	
	CK	US 5,643,228	7/1/1997	Schucart et al.	
	CL	US 5,662,619	9/2/1997	Zarate	
	CM	US 5,702,368	12/30/1997	Stevens et al.	
	CN	US 5,738,652	4/14/1998	Boyd et al.	
	CO	US 5,766,151	6/16/1998	Valley et al.	
	CP	US 5,792,094	8/11/1998	Stevens et al.	
	CQ	US 5,769,812	6/23/1998	Stevens et al.	
	CR	US 5,800,408	9/1/1998	Strauss et al.	
	CS	US 5,807,318	9/15/1998	St. Goar et al.	
	CT	US 4,808,155	2/28/1989	Mahurkar	
	CU	US 5,814,016	9/29/1998	Valley et al.	
	CV	US 5,830,196	11/3/1998	Hicks	
	CW	US 5,868,702	2/9/1999	Stevens et al.	

**FOREIGN PATENT DOCUMENTS**

[illegible]

Examiner Signature	/Kami Bosworth/	Date Considered	10/06/2008
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP §609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. \*Applicant's utility claim designation number (optional). \*See "Kind Codes and USPTO Patent Documents" at [www.uspto.gov](http://www.uspto.gov) or MPEP §901.04. \*Enter Office that issued the document (e.g., the two-letter code (WIPO Standard ST.3). \*For Japanese patent documents, the indication of the year of the year of the Emperor must precede the serial number of the patent document. \*Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. \*Applicant is to place a check mark here if English language Translation is attached.

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STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 15 of 18

Application Number	10/575,318
Filing Date	4/11/2006
First Named Inventor	Brucker
Art Unit	
Examiner Name	
Attorney Docket Number	CV/03-014 PCT.US.

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
	CX	US- 5,873,865	2/23/1999	Horzewski et al.	
	CY	US- 5,876,383	3/2/1999	Grooters et al.	
	CZ	US- 5,885,238	3/23/1999	Stevens et al.	
	DA	US- 5,913,842	6/22/1999	Boyd et al.	
	DB	US- 5,914,193	6/22/1999	Ono et al.	
	DC	US- 5,916,193	6/29/1999	Stevens et al.	
	DD	US- 5,921,957	7/13/1999	Killion et al.	
	DE	US- 5,930,169	7/27/1999	Iwata et al.	
	DF	US- 5,957,901	9/28/1999	Mottola et al.	
	DG	US- 5,976,114	11/2/1999	Jonkman et al.	
	DH	US- 6,029,671	2/29/2000	Stevens et al.	
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	DP	US- 6,293,958	9/25/2001	Berry et al.	

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear
		Country Code <sup>3</sup> Number "Kind Code" (if known)			

Examiner Signature	/Kam Bosworth/	Date Considered	10/06/2008
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### INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary.)

Sheet	6
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of 8

**Complete if Known**

Application Number	10/575.318
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Filing Date	4/11/2006
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First Named Inventor	Brucker
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Art Unit

**Examiner Name**

Examiner Name	
Attorney Docket Number	CV/03-014 PCT.US

Examiner Initials*	Cite No. <sup>1</sup>	U. S. PATENT DOCUMENTS			
		Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
	DQ	US- 6,332,892	12/25/2001	Desmond, III et al.	
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	EC	US- 5,599,328	8/10/2006	Stevens	
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	EF	US- 6,350,253	2/26/2002	Deniega et al.	
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	EH	US- 3,695,457	10/3/1972	Cohen	
	EI	US- 5,584,803	12/17/1996	Stevens et al.	

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Examiner Signature	/Kami Bosworth/	Date Considered	10/06/2008
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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet	7	of	8
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**Complete if Known**

Application Number	10/575,318
Filing Date	4/11/2006
First Named Inventor	Brucker
Art Unit	
Examiner Name	
Attorney Docket Number	CV/03-014 PCT US

## U. S. PATENT DOCUMENTS

[illegible]

**FOREIGN PATENT DOCUMENTS**

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Examiner Initials*	Cite No.†	Foreign Patent Document  Country Code** Number ***Kind Code* (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	†
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Examiner Signature	/Kamr Bosworth/	Date Considered	10/06/2008
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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(Use as many sheets as necessary)</i>		<b>Complete if Known</b>	
		Application Number	10/575,318
		Filing Date	April 11, 2006
		First Named Inventor	Brucker
		Art Unit	
		Examiner Name	
Sheet 8	of 8	Attorney Docket Number	CT/03-014.PCT.US

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	EL	TILLMAN, PH.D. D. DONNA-BEA,510(k) Summary, ACIST PLUS 4 ANGIOGRAPHIC CATHETER : April 26, 2002:Pages 29 thru 33	
	EM	DANIEL, THOMAS B. ET AL. A Solution to the Problem of High-Flow Jets from Miniature Angiographic Catheters: May 1990: Pages 1091 thru 1095	
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